

### 88 Reduction in anti-PN response

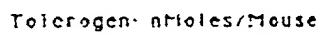


FIGURE 1

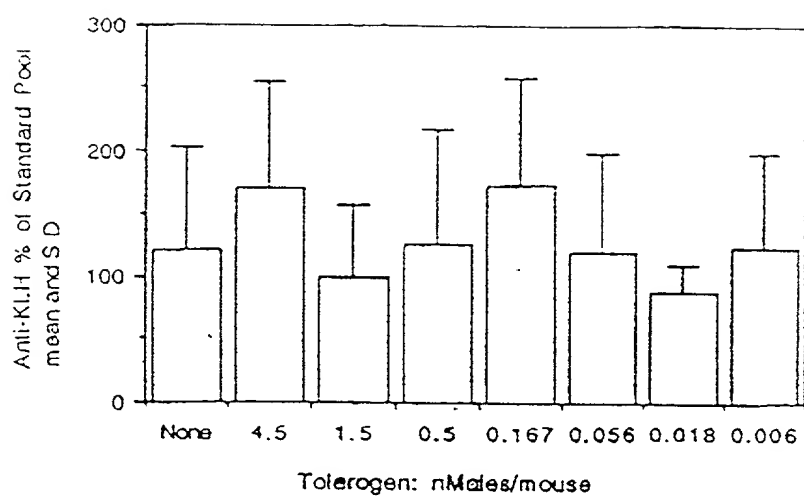


FIGURE 2



006001 0000000000

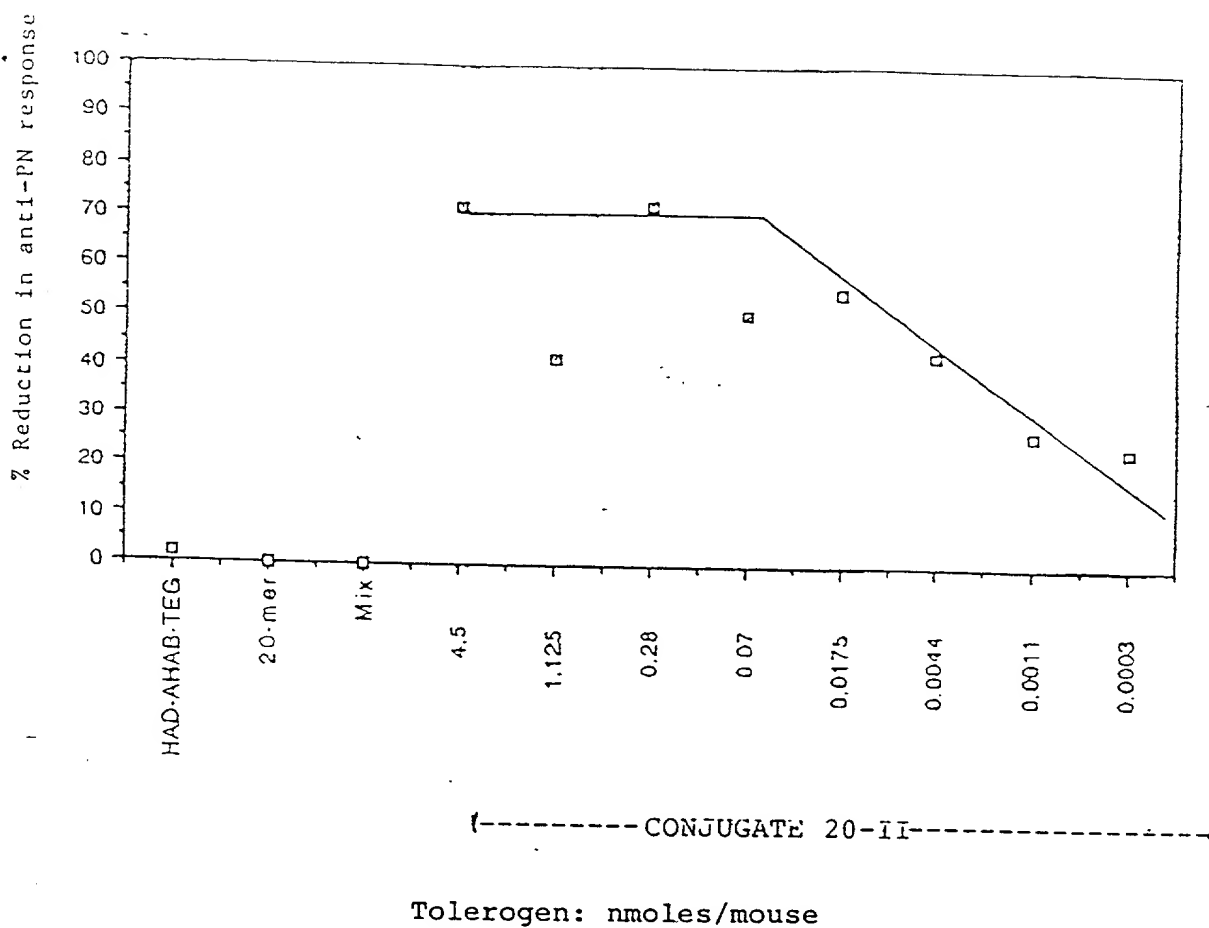


FIGURE 4

% Reduction in anti-PM response

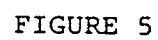
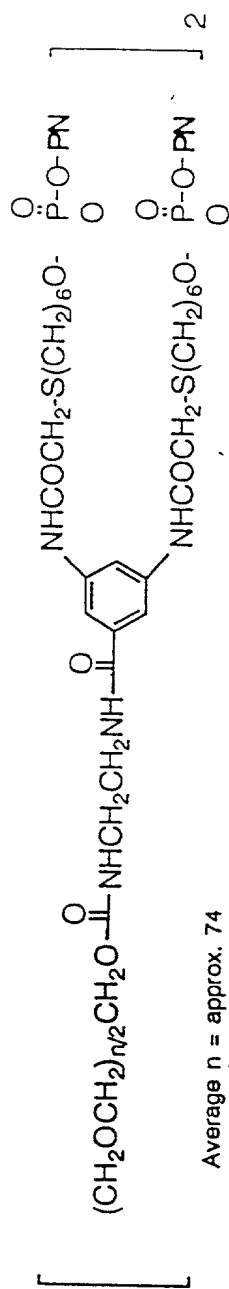


FIGURE 5

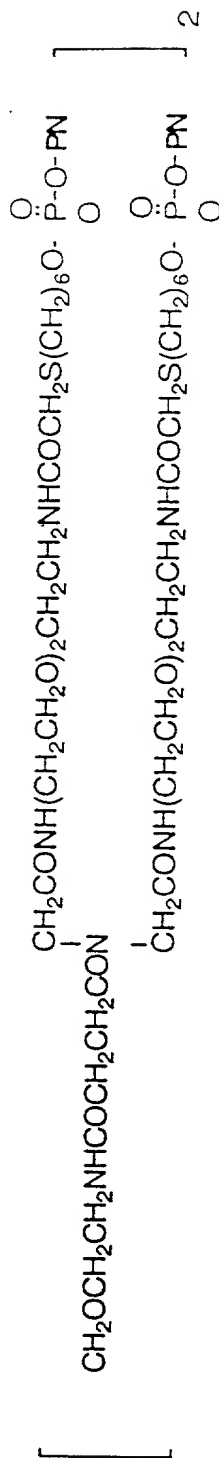


Average n = approx. 74

DABA-PEG

3-1, PN = (CA)<sub>10</sub>

### 3-II. $PN = (CA)_{10} \cdot (TG)_{10}$

BAHA<sub>ox</sub>-EDDA

11-I, PN = (CA)<sub>10</sub>

11-II,  $PN = (CA)_{10} \cdot (TG)_{10}$

$$\underline{11\text{-IV}}, \text{PN} = (\text{CA})_8 \cdot (\text{TG})_8$$

11-VI,  $\text{PN} = (\text{CA})_{12} \cdot (\text{TG})_{12}$

11-VIII, PN = (CA)<sub>16</sub>.(TG)<sub>16</sub>

FIGURE 6A

00667-66634-60

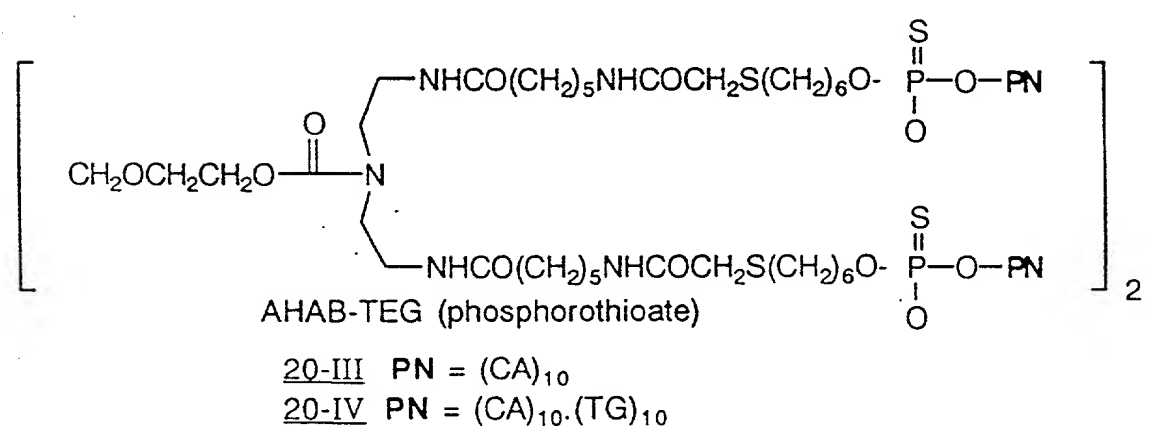
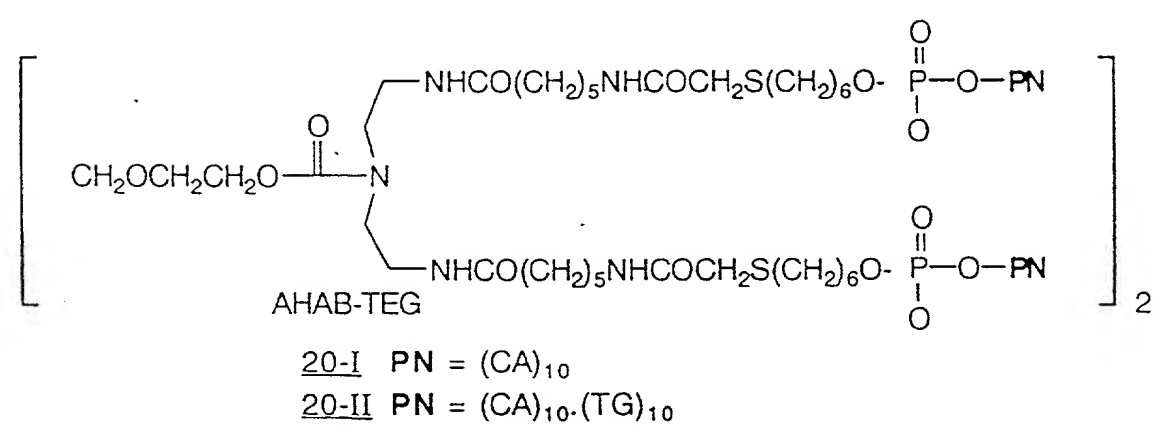
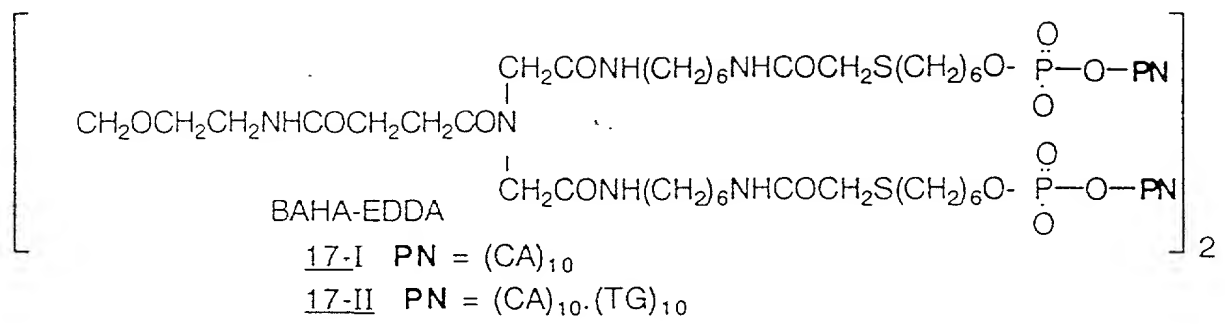


FIGURE 6B

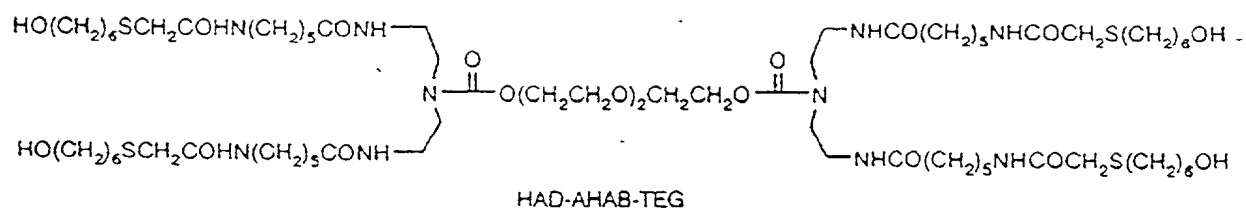


FIGURE 7

## T Cell Proliferation Induced by Mellitin Peptides

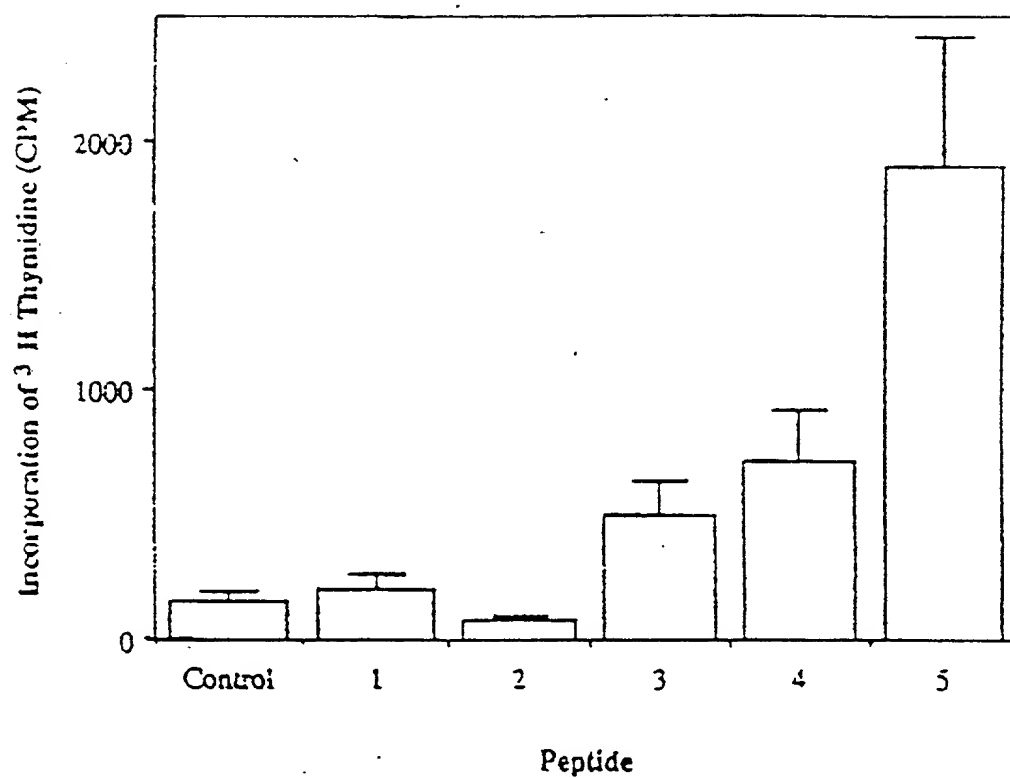


FIGURE 8

O.D. 450 nm

IgG serum circulating Ab to melittin peptide 2

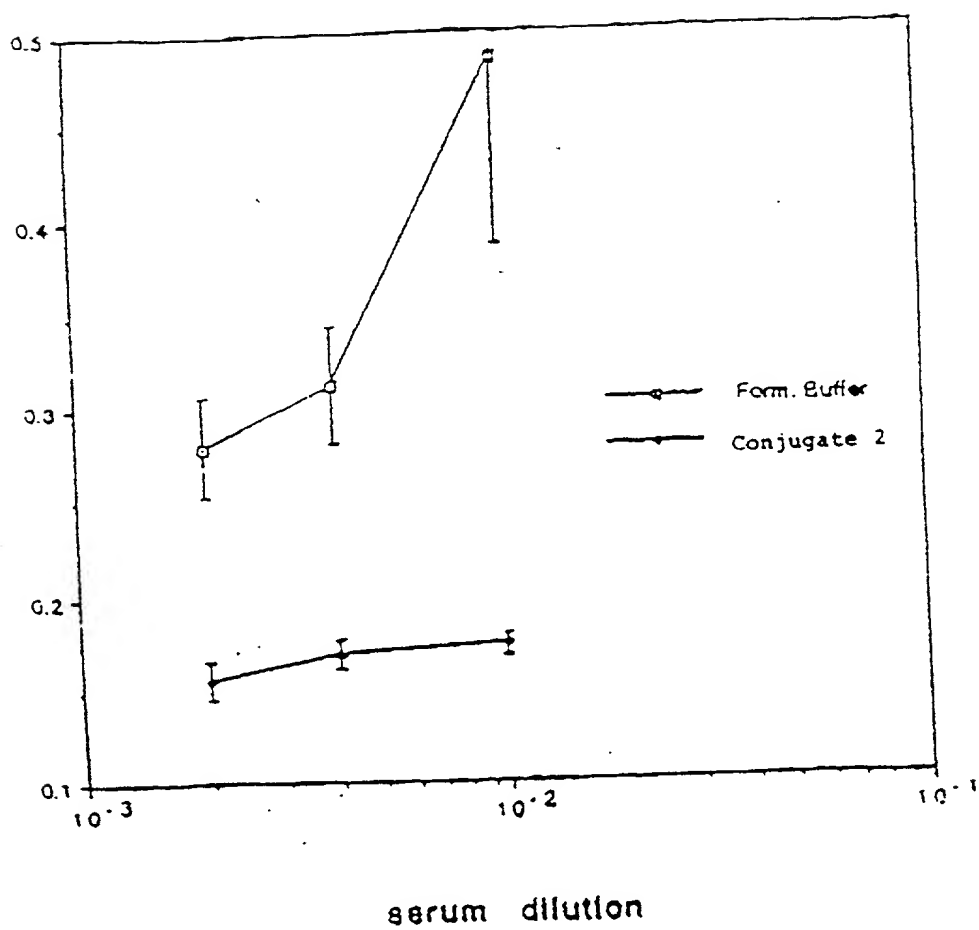


FIGURE 9

00527-663250

# IgG serum circulating levels to Melittin

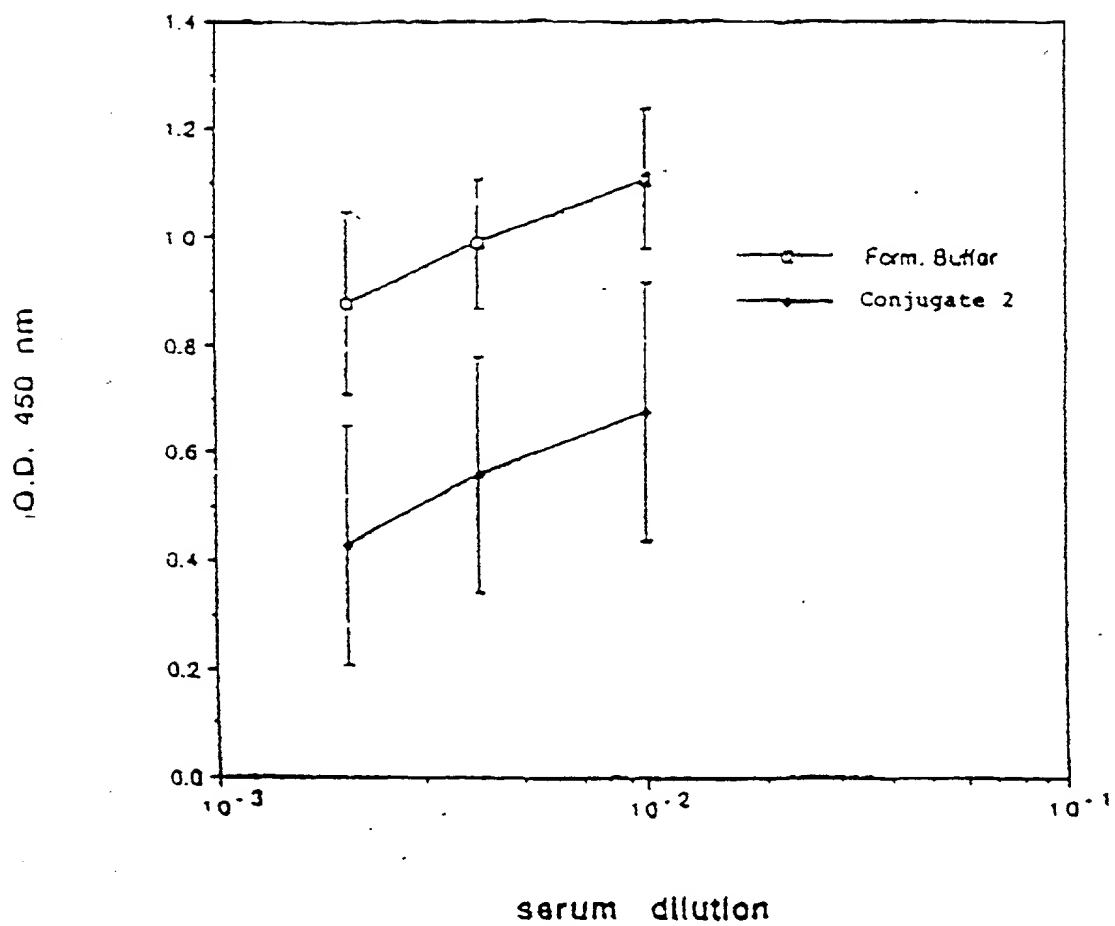


FIGURE 10

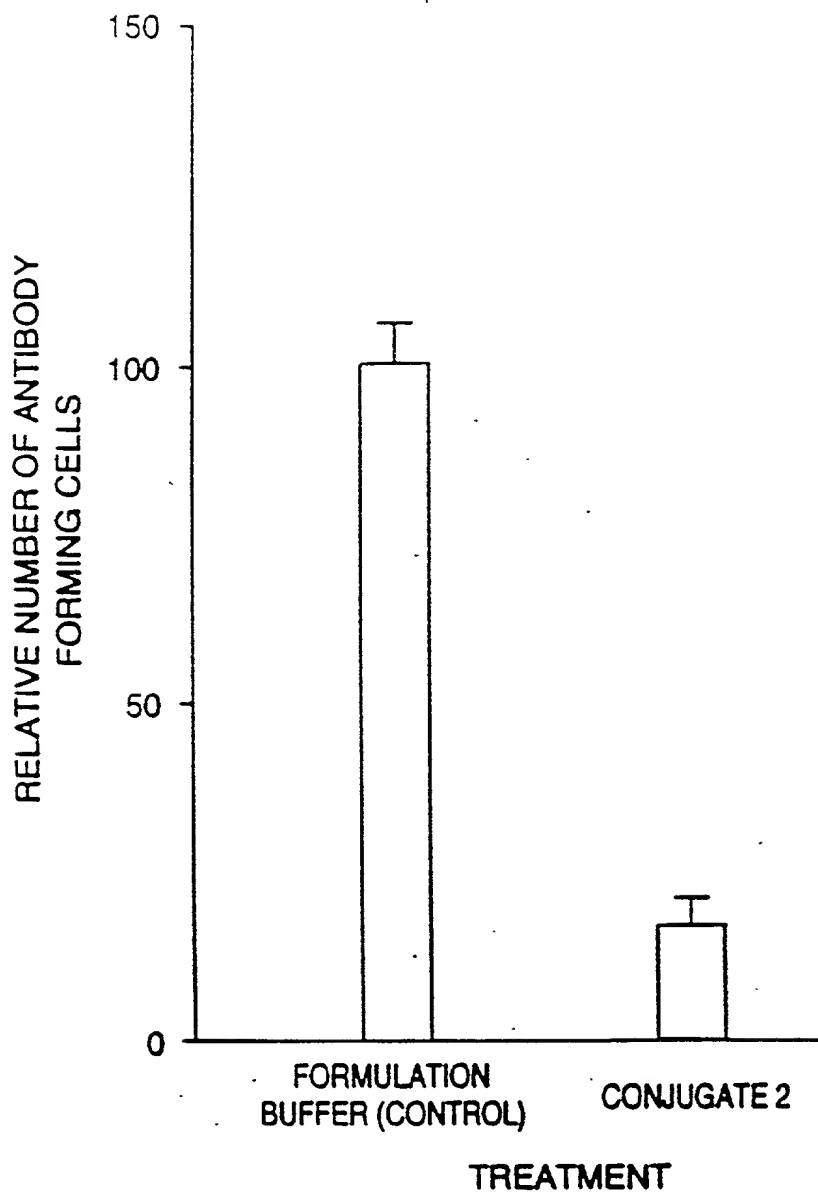


FIGURE 11

O.D. 450 nm

IgG serum circulating Ab to Peptide 5

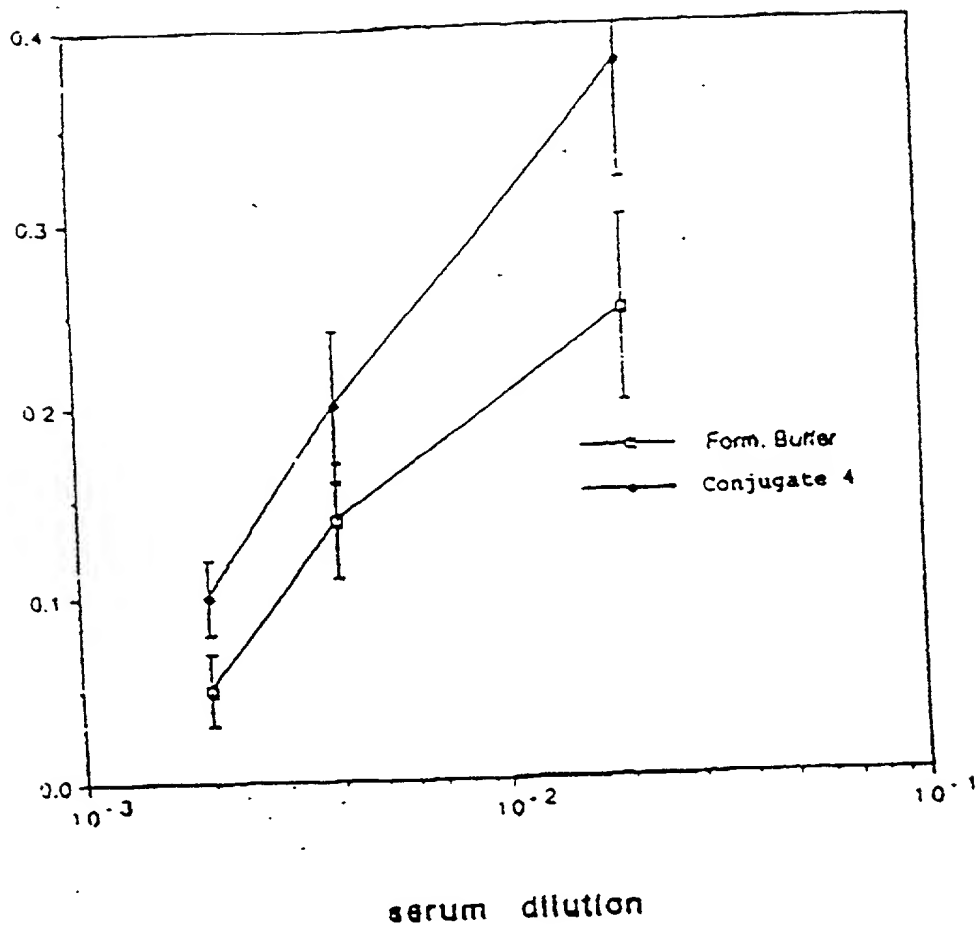
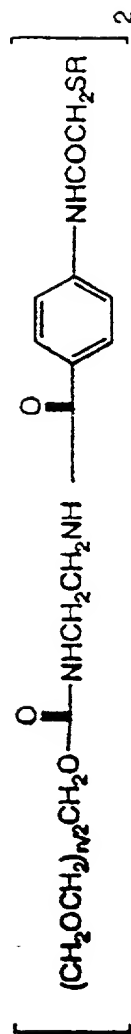


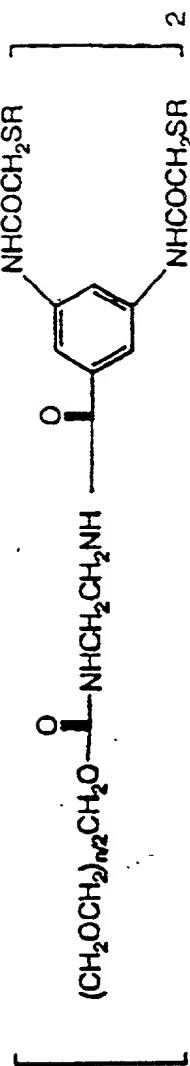
FIGURE 12

# Melittin Peptide Conjugates



Melittin Conjugate # 1, R = H<sub>2</sub>N-Trp-Ile-Lys-Arg-Lys-Gln-Gln-Lys-Cys-Gly-CO<sub>2</sub>H

Average n = approx. 74

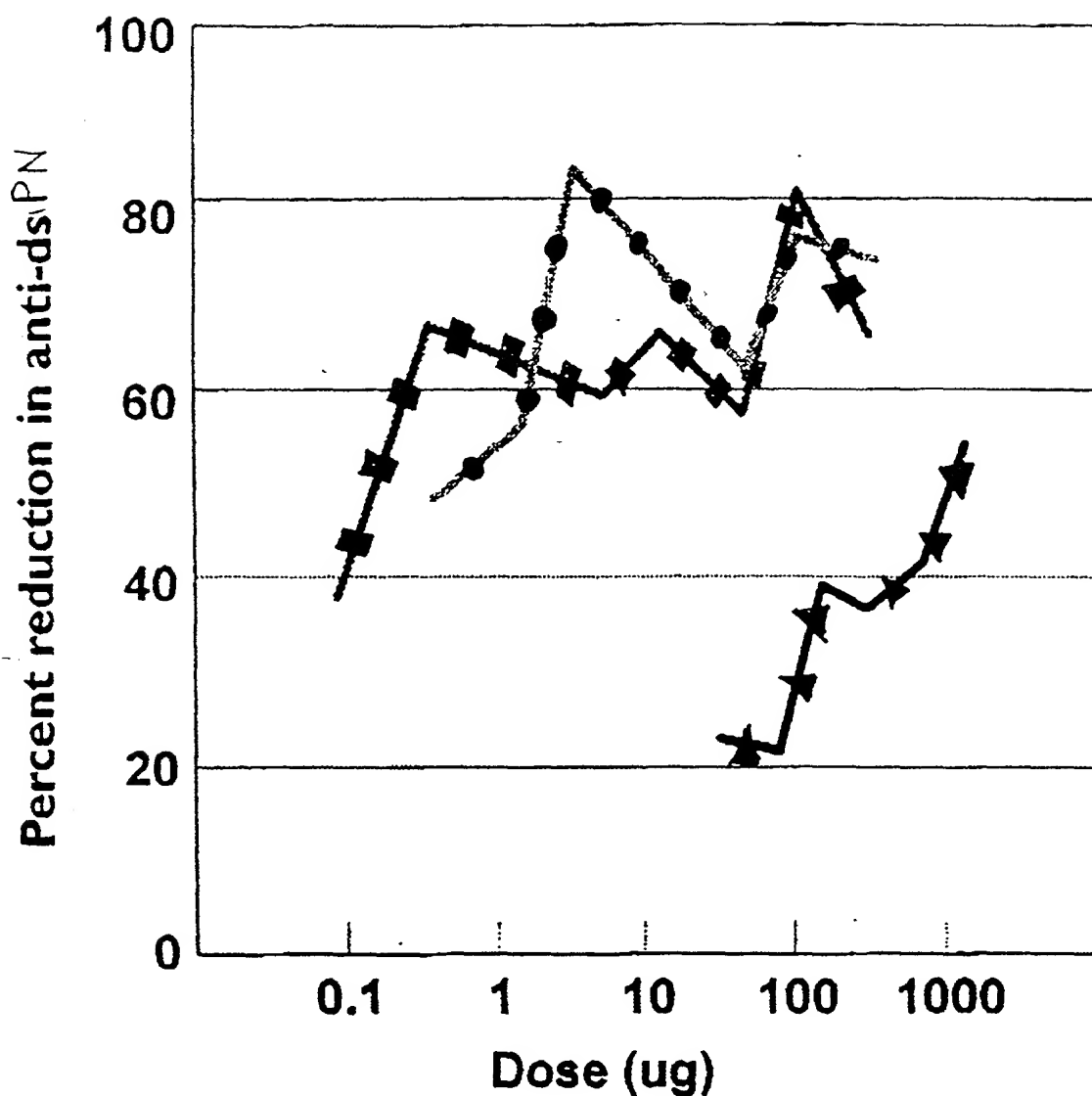


Melittin Conjugate # 2, R = H<sub>2</sub>N-Cys-Trp-Ile-Lys-Arg-Lys-Arg-Gln-Gln-Gly-CO<sub>2</sub>H  
 Melittin Conjugate # 3, R = H<sub>2</sub>N-Trp-Ile-Lys-Arg-Lys-Arg-Gln-Gln-Lys-Cys-Gly-CO<sub>2</sub>H  
 Melittin Conjugate # 4, R = H<sub>2</sub>N-Cys-Ile-Ser-Trp-Ile-Lys-Arg-Lys-Arg-Gln-Gln-Gly-CO<sub>2</sub>H  
 Melittin Conjugate # 5, R = (H<sub>2</sub>N-Trp-Ile-Lys-Arg-Lys-Arg-Gln-Gln)<sub>2</sub>-Lys-Cys-Gly-CO<sub>2</sub>H

Melittin peptides attached through sulfur atom on added cysteine, average n = approx. 74

FIGURE 13

# Inhibition of Anti-ds<sup>PN</sup> by LJP- 249 and LJP- 105



● LJP- 249 A    ■ LJP- 249 B    ▲ LJP- 105

FIGURE 14

## Treatment of Male BXSB Mice with LJP394

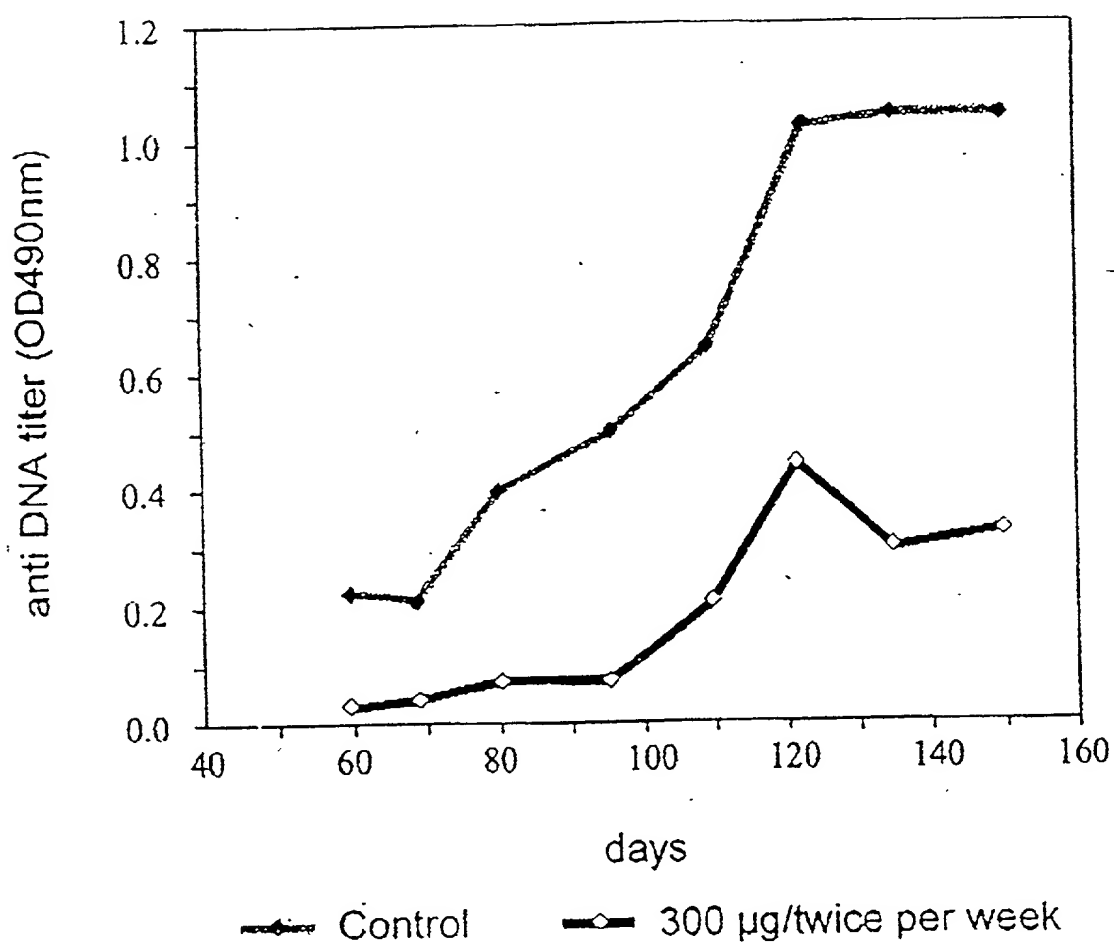


FIGURE 15